

P a t e n t   C l a i m s

- 5            1.    A method for installing a file system (26) in a portable data carrier (10) that is provided with a processor core (12) and at least one memory (14), comprising the steps:
- reading in of specification data (SD) that describe the file system (26) at least in part at the semantic level,
  - interpreting the read-in specification data (SD) by the processor core (12), and
  - 10    -    installing the file system (26) in accordance with the interpreted specification data (SD) in the at least one memory (14) of the data carrier (10).
- 15           2.    A method in accordance with Claim 1, characterized in that the specification data (SD) describe the file structure of the file system (26) inclusive of file attributes.
- 20           3.    A method in accordance with Claim 2, characterized in that the file attributes designate security settings and/or protocol settings and/or user/group associations.
- 25           4.    A method in accordance with any one of Claims 1 to 3, characterized in that the specification data (SD) designate relations between files of the file system.
5.    A method in accordance with any one of Claims 1 to 4, characterized in that the specification data (SD) are given in a textual and/or portable and/or interoperative format.

6. A method in accordance with any one of Claims 1 to 5, characterized in that the specification data (SD) are given in XML and/or in an encoding in accordance with the encoding rules for ASN.1-defined data structures.
- 5 7. A method in accordance with any one of Claims 1 to 6, characterized in that the specification data (SD) are cryptographically protected against manipulation and/or spying.
- 10 8. A portable data carrier (10), in particular a smart card or a chip module, comprising a processor core (12) and at least one memory (14), the portable data carrier (10) being adapted for performing a method in accordance with any one of Claims 1 to 7.
- 15 9. A device (28) for initializing and/or personalizing a portable data carrier (10) in accordance with Claim 8, the device (28) being adapted for transferring to the portable data carrier (10) specification data (SD) that at least partly describe at the semantic level a file system (26) to be installed in the portable data carrier (10).
- 20 10. A computer-readable data carrier (30) containing specification data (SD) that are designed to be read into a portable data carrier (10) and there to be interpreted by a method in accordance with any one of Claims 1 to 7.